WHAT IS CLAIMED IS:

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1	1	•	A removable elastic positioning appliance comprising:		
2	a	shell	having at least one orthodontic component, wherein the shell is		
3	shaped to receiv	e and	reposition teeth from a first orientation to a successive orientation		
4	and the compone	ent is	shaped to engage a flexible band.		
1	2	2.	An appliance as in claim 1, wherein the component has the form of		
2	a hook.				
1	3	3.	An appliance as in claim 1, wherein the flexible band comprises an		
2	elastic band or a		-		
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1	4	١.	An appliance as in claim 1, wherein the orthodontic component is		
2	mounted on the	shell.			
_	_				
1	5		An appliance as in claim 1, wherein the orthodontic component is		
2	embedded in the	e shell.			
1	6	j.	An appliance as in claim 1, wherein the orthodontic component is		
2	formed by the sh		1		
_	201111000000000000000000000000000000000				
1	7	' .	An appliance as in claim 1, wherein the component is shaped so		
2	that engagement with the flexible band applies force to the shell when the shell is				
3	mounted on the	teeth t	to assist in repositioning of teeth.		
1	0	•			
1	8		A removable elastic positioning system comprising:		
2			shaped to receive and reposition teeth from a first orientation to a		
3	successive orien	,			
4	a	t least	one orthodontic component shaped to engage a flexible band.		
1	9)_	An appliance as in claim 8, wherein the component has the form of		
2	a hook.				
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1	1	0.	An appliance as in claim 8, wherein the orthodontic component is		
2	mountable on the shell.				

1		11.	A method of preparing a removable elastic positioning appliance			
2	comprising:					
3		provid	ling a shell shaped to receive and reposition teeth from a first			
4	orientation to a successive orientation;					
5		moun	ting an orthodontic component shaped to engage a flexible band on			
6	the shell.					
1		12.	A removable elastic positioning appliance comprising:			
2		a shel	l shaped to receive and reposition teeth from a first orientation to a			
3	successive orientation, wherein the shell has at least one opening to expose a portion of a					
4	received tooth	n.				
1		13.	An appliance as in claim 12, wherein the at least one opening is			
2	disposed to expose a portion of a received tooth upon which an orthodontic component is					
3	mountable.					
1		14.	An appliance as in claim 13, wherein the at least one opening is			
2	disposed to ex	expose a portion of a received tooth upon which an orthodontic component				
3	comprising a	a hook is mountable.				
1		15.	An appliance as in claim 12, wherein the at least one opening is			
2	configured to	to allow an orthodontic component mounted on the exposed portion of the				
3	received tooth to protrude through the at least one opening.					
1		16.	An appliance as in claim 15, wherein the shell is configured to			
2	engage a flexi	ible ban	nd mounted on the orthodontic component.			
1		17.	An appliance as in claim 15, wherein the shell is configured to			
2	engage the orthodontic component.					
1		18.	A method of preparing a removable elastic positioning appliance			
2	comprising:					
3		providing a shell shaped to receive and reposition teeth from a first				
4	orientation to a successive orientation;					
5		formi	ng at least one opening in the shell which exposes a portion of a			
6	received tooth	1.				

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1	19. A method as in claim 18, wherein forming the at least one opening					
2	comprises forming at least one opening in a location which exposes a portion of a					
3	received tooth upon which an orthodontic component is mountable.					
1	20. An appliance as in claim 19, wherein forming the at least one					
2	opening comprises forming at least one opening in a location which exposes a portion of					
3	a received tooth upon which an orthodontic component comprising a hook is mountable.					
1	21. A method of using a removeable elastic positioning appliance					
2	comprising:					
3	providing a shell shaped to receive and reposition teeth from a first					
4	orientation to a successive orientation, the shell having at least one opening which					
5	exposes a portion of a received tooth;					
6	positioning the shell over the teeth so that the portion of the received tooth					
7	is exposed by the opening; and					
8	mounting an orthodontic component on the portion of the received tooth					
9	exposed by the opening.					
1	22. A method as in claim 21, further comprising connecting the shell					
2	and the orthodontic component with a flexible band.					
1	23. A method as in claim 21, wherein the orthodontic component					
2	comprises a hook.					
1	24. A removable elastic positioning appliance comprising:					
2	a shell shaped to receive and reposition teeth from a first orientation to a					
3	successive orientation, the shell having at least one protrusion which contacts at least one					
4	received tooth to assist in holding the appliance in position.					
1	25. An appliance as in claim 24, wherein the at least one protrusion is					
2	configured to contact an interdental area.					
1	26. An appliance as in claim 24, wherein the at least one protrusion is					
2	configured to contact a tooth along at least a portion of its gingival margin.					

- 1 27. An appliance as in claim 24, wherein the at least one protrusion 2 comprises a continuous protrusion which is configured to contact one or more teeth along 3 the gingival margin and interdental areas.
- 1 28. An appliance as in claim 24, wherein the at least one protrusion is 2 mountable on the appliance.